

Comparisons of Job Characteristics

Focus Occupation: Agricultural Inspectors (45-2011)

Associated Occupation: Food Scientists and Technologists (19-1012)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 46

Focus Occupation: Agricultural Inspectors (45-2011)

Associated Occupation: Food Scientists and Technologists (19-1012)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Chemistry	4.8	19.8	7.2	<<	Extensive education and/or training may be required
Production and Processing	6.0	18.6	7.4	<<	Extensive education and/or training may be required
Biology	3.7	16.8	9.4	<<	Extensive education and/or training may be required
Food Production	2.1	15.9	8.0	<<	Extensive education and/or training may be required
Mathematics	9.2	14.5	9.1	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	13.9	3.4	<<	Extensive education and/or training may be required
Physics	4.3	13.1	2.4	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Agricultural Inspectors (45-2011)

Associated Occupation: Food Scientists and Technologists (19-1012)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Writing	9.2	13.2	10.6	<	A higher skill level may be required
Active Learning	8.7	12.5	10.2	<	A higher skill level may be required
Complex Problem Solving	9.1	12.3	10.1	<	A higher skill level may be required
Monitoring	9.9	12.3	12.4	0	Current skill level may be sufficient

Quality Control Analysis	5.9	10.5	12.8	>	Skill level is likely sufficient
Systems Analysis	6.5	10.5	9.2	<	A higher skill level may be required
Negotiation	6.8	9.7	8.2	<	A higher skill level may be required
Systems Evaluation	6.4	9.7	8.8	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 85			
Focus Occupation: Agricultural Inspectors (45-2011) Associated Occupation: Food Scientists and Technologists (19-1012)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Inductive Reasoning	10.2	14.5	12.2	<	Some improvement in abilities may be required
Written Comprehension	11.0	14.5	10.6	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	13.9	14.3	0	Current ability level may be sufficient
Category Flexibility	9.0	13.5	10.5	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	13.5	11.8	<	Some improvement in abilities may be required
Written Expression	9.8	13.3	10.8	<	Some improvement in abilities may be required
Originality	7.6	11.1	6.9	<<	Extensive improvement in abilities may be required
Fluency of Ideas	7.6	11.0	7.5	<<	Extensive improvement in abilities may be required
Number Facility	6.3	11.0	5.5	<<	Extensive improvement in abilities may be required
Mathematical Reasoning	6.3	10.8	5.8	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	8.5	6.6	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 74	
Focus Occupation: Agricultural Inspectors (45-2011) Associated Occupation: Food Scientists and Technologists (19-1012)			
Work Activities		Exclusivity of Activity	
Determine the quality of food or beverages		92	
Prepare reports		8	
Recommend improvements to work methods or procedures		64	

Record test results, test procedures, or inspection data	48
Use quality assurance techniques	61

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 18

Focus Occupation: Agricultural Inspectors (45-2011)
Associated Occupation: Food Scientists and Technologists (19-1012)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Light and wave generating and measuring equipment	4
Pipettes and liquid handling equipment and supplies	16
Sampling equipment	12
Spectroscopic equipment	10
Viewing and observing instruments and accessories	4
Weight measuring instruments	7

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.